KORZH, I.A. [Korzh, I.O.]; KASHUHA, I.Ye. [Kashuba, I.IE.]

Elastic scattering of 0.8 Mev. neutrons, and an optical nuclear model. Ukr. fix. zhur. 10 no.6:586-596 Je *65. (MIRA 18:7)

1. Institut fiziki AN UkrSSR, Kiyev.

KORZH, I.A.; KASHUBA, I.Ye.; TOTSKIY, I.A.

Elastic scattering of medium-energy neutrons, and an optical nuclear model. Izv. AN SSSR. Ser.fiz. 29 no.5:862-867 My '65. (MIRA 18:5)

1. Institut fiziki AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"

L 13637-66 EWT(m)/T/EWP(t)/EMP(b) JD/MB/DJ

ACC NR. AP6005391 SOURCE CODE: UR/0413/66/000/001/0141/0141

INVENTOR: Kashuba, P. S.

ORG: none

TITLE: Anticavitational device. Class 59, No. 177776

手列表示認識的概念

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 141

TOPIC TAGS: hydraulic system, pump, cavitation, fluid pump, hydraulic pump

ABSTRACT: An anticavitational device is proposed for building up a pressure head in the feed line of a pump in a closed hydraulic system with a constant pressure at the pump outlet. To simplify the system and increase its reliability, the device is made in the form of a bellows box in the feed line with a piston resting on its bottom. The piston is located in a guide sleeve and its free end is under pressure at the pumplicutlet (see Fig.). In a variation of this device, the bellows box is made with drains in the bottom. Thus, the leakage from

Card 1/2

UDC: 621.65-531.8

SOV/137-57-6-10110

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 107 (USSR)

AUTHOR: Kashuba, S.V._

A New Technique Used at the "Krasnyy metallist" Plant in the Man-TITLE:

ufacture of Electrical Apparatus (O novoy tekhnologii, primenyayemoy na zavode "Krasnyy metallist" pri izgotovlenii elektroap-

paratury)

V sb.: Avtomatizatsiya proizv. protsessov v ugol'n. prom-sti. PERIODICAL:

Moscow, Ugletekhizdat, 1956, pp 37-42

ABSTRACT:

17% Al castings are made by pressure die casting at the "Krasnyy metallist" (Red Metal Worker) Plant, and in 1956 the percentage of castings made in this way will be increased to 25%.

Note is taken of increase in investment and chill casting.

M.Z.

Card 1/1

在1987年的

KHUDOSOVTSEV, N.M.; IVANOVSKIY, G.I.; SHIL'DKROT, M.A.; SLIVINSKIY, A.I., inzh.; KASHUBA, V.A.

Contribution of construction workers to the creation of a material and technical foundation for communism. Prom. stroi. 39 no.9: 10-29 '61. (MIRA 14:10)

1. Predsedatel Luganskogo sovnarkhoza (for Khudosovtsev). 2. Predsedatel Zaporozhskogo sovnarkhoza (for Ivanovskiy). 3. Zamestitel predsedatelya Sverdlovskogo sovnarkhoza (for Shil'dkrot). 4. Zamestitel predsedatelya Dnepropetrovskogo sovnarkhoza (for Slivinskiy). 5. Zamestitel predsedatelya sovnarkhoza Altayskogo kraya (for Kashuba).

(Industrial buildings) (Construction industry)

KASHUBA, Zh.B.; MAKSIMOVA, O.P., kand.tekhn.nauk; ESTRIN, E.I.

Experimental study of the autocatalytic effect in martensite transformation. Problemstalloved.i fiz.met. no.7:315-341 *162.

(MIRA 15:5)

(Steel—Metallography) (Phase rule and equilibrium)

KASHUBIN, A.

Electric engineering contest. Prof.-tekh.obr. 13 no.9:28 S !56. (MIRA 9:10)

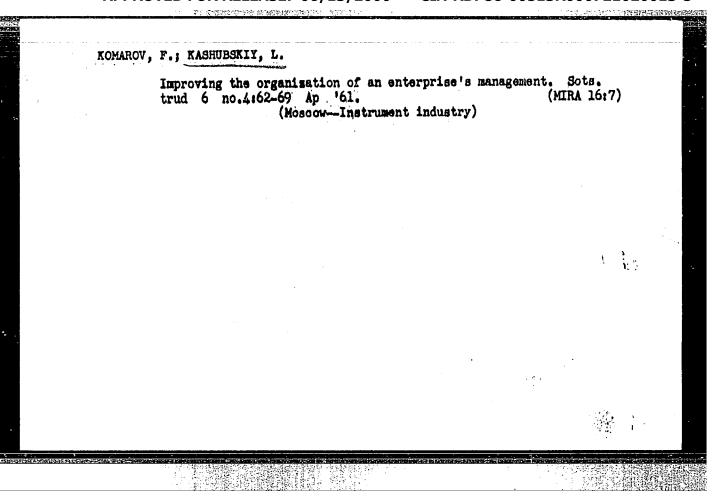
1. Prepodavatel remeslemogo uchilishcha no.2. gorod Taganrog. (Electric engineering-Study and teaching)

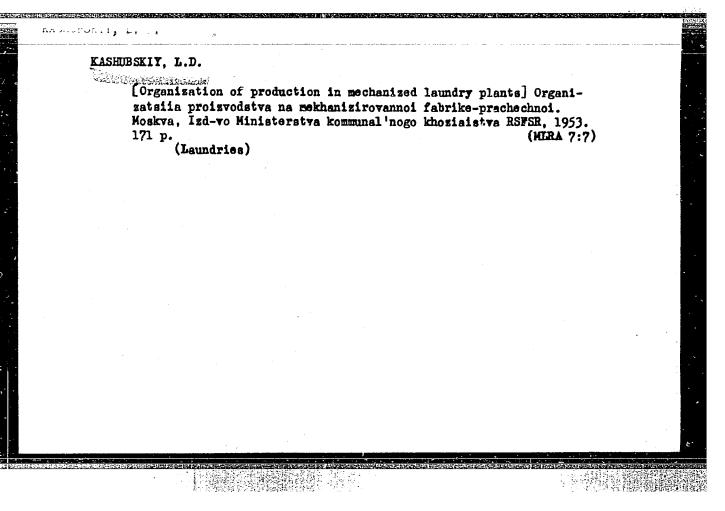
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"

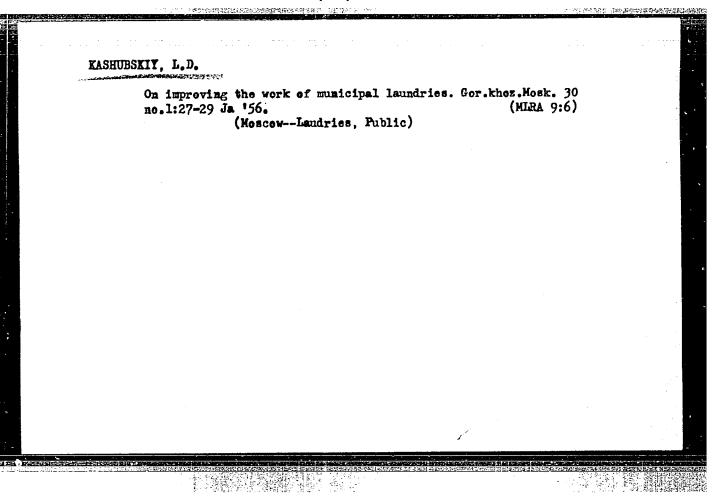
KASHUBIN, K.

Our main task. Voen. znan. 40 no.2:29-30 F '64. (MIRA 17:2)

1. Predsedatel komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu zavoda "Rostsel'mash".





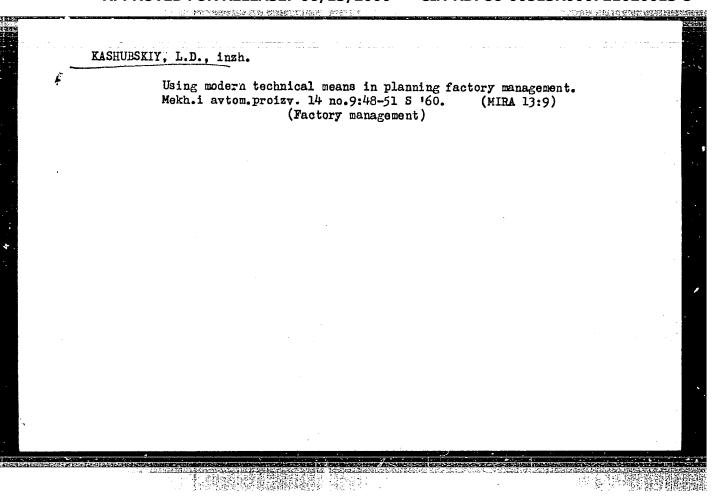


KASHUBSKIY, L.

Organizing the management of industrial enterprises with the comprehensive mechanization of administrative work. Biul. nauch.inform.; trud i zar.plata no.2:9-18 159.

(MIRA 12:5)

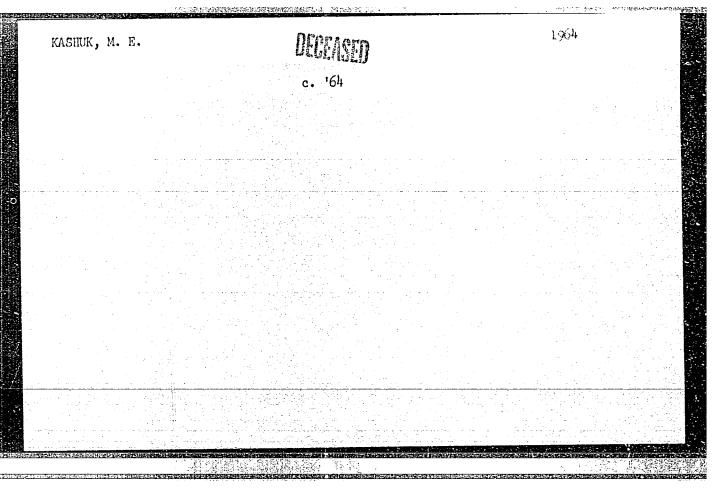
(Office equipment and supplies)



KASHUBSKIY, L.D.; POPOVA, G.N.; BERKOVICH, D.M., nauchnyy red.; YEVSTIGNEYEVA, V.S., tekhn. red.

[Presently manufactured Soviet equipment for industrial initial counting and information transmission] Sredstva pervichnogo scheta i peredachi informatsii v proizvodstve vypuskaemye promyshlennost'iu SSSR; obzor. Moskva, 1961. 147 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po voprosam truda i zarabotnoy platy. 2. Nauchno-issledovatel'skiy institut truda Gosudarstvennogo komiteta Soveta Ministrov SSSR po voprosam truda i zarabotnoy platy (for Kashubskiy, Popova). (Automatic control) (Counting devices)



"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

s/058/62/000/004/113/160 A061/A101

AUTHORS:

Kashukeyev, N. Antonov, A., Zadorozhnyy, G.

TITLE:

On stationary distribution of the electric charge in photoelectrets

PERIODICAL: Referativnyy zhurnal, Fizika. no. 4, 1962, 41, abstract 4E359

(Dokl. Bolg. AN, 1961, 14, no. 4, 333-336, English summary)

An expression is derived for the heterocharge density distribution along the photoelectret with a single type of electron traps. It is found that TEXT: the resulting charge is located in narrow zones $\sim 10^{-5}$ cm thick, near the electrode. The dependence of the constant photoelectret charge on both the intensity of polarizing light and the strength of polarizing electric field is examined. The expression for the photoelectret charge is the same as the one obtained by E. I. Adirovich (RZhFiz, 1961, 11E129).

V. Lyubin

[Abstracter's note: Complete translation]

Card 1/1

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

S/058/62/000/004/112/160 A061/A101

AUTHORS: Kashukeyev, N., Antonov, A., Zadorozhnyy, G.

TITLE: Theory of thermal depolarization of photoelectrets

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 41, abstract 4E358 (Dokl. Bolg. AN, 1961, v. 14, no. 5, 447-450, English summary)

Card 1/2

S/058/62/000/004/112/160 A061/A101

Theory of thermal depolarization of photoelectrets

constant. By assuming the electron mobility to be temperature-independent, the relation α (T) = const · T^{3/2} exp (- W/kT) is obtained, where W is the energy depth of the traps. The possibility of graphically determining W is indicated.

V. Lyubin

[Abstracter's note: Complete translation]

Card 2/2

KASHUKERV, N.; ANTONOV, A.; ZADORZHNYI, G.

On stationary distribution of electric load in photoelectretes. Doklady BAN 14 no.4:333-336 161.

1. Predstavleno akad. G. Nadzhakovym.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

SOURCE CODE: BU/0011/66/019/007/0579/0582 ACC NR. AP6032643 AUTHOR: Kashukeyev, N.; Nadzhakov, G. ORG: Physics Institut of the Bulgarian Academy of Sciences (Fizicheskiy Institut Bolgarskoy akademii nauk) TITLE: One possibility of making the absolute energy calibration of semiconductor detectors for fission fragments SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 7, 1966, 579-582 TOPIC TAGS: detection, detection system, detection equipment, semiconducting material, semiconductor alloy, fission product ABSTRACT: The article proposes a method for the absolute calibration of silicon ${oldsymbol{\mathcal{V}}}$ detectors for measuring the energies of fission fragments which can be used when the method described in previous publications cited in text is not applicable. It is known that the relation $E=\frac{MV^2}{3}$ is in force for the mass, velocity and energy corresponding to the maxima of the light and heavy peaks in the mass, velocity and energy distributions, i.e., the behavior of the fission particles is such that they seem to correspond to given, real particles. On the basis of one example, it is shown that with a certain degree of accuracy, all points for which the relative yield $W = A/A_m$ is Card 1/2

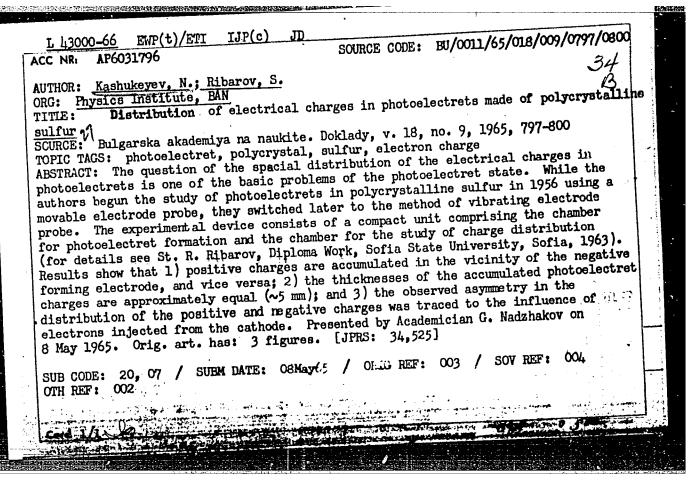
ACC NR: AP6032643 .

the same in all types of spectra have this property. It is attempted to give the mathematical proof of this affirmation. In practice, only points in the upper three quarters of the maxima are used for calibration as they exhibit the greatest statistical officet and are less subject to order to be a second and attempted to give the tical effect and are less subject to errors due to background and other factors.

This method was tried using experimental results for 25°Cf given in a previous investigation. A comparison of the results shows that for masses the ordinates of which are greater than 3/4 A_m, the agreement is good. "In conclusion I express my thanks to Nataliya Yanevaya, member of the scientific staff, and to Nedelka Pancheva, physicist". Orig. art. has: 1 figure, 1 formula and 1 table.

SUB CODE: 20/ SUBM DATE: none/ SOV REF: 002/ OTH REF: 009

CIA-RDP86-00513R000721020013-5" APPROVED FOR RELEASE: 06/13/2000



5/194/62/000/006/089/232 D413/D308

24.7700

Kashukeyev, N., Antonov, A., and Zadorozhnyy, G.

TITLE:

AUTHORS:

On the theory of the thermal depolarization of

photo-electrets

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-3-59 p (Dokl. Bolg. AN, v.14, no. 5, 1961, 447-450)

TEXT: A general equation is derived for the depolarization that occurs in darkness. The assumption is made that the electrons freed from traps and migrating into the conductive zone recombine with stationary holes. The paper investigates the concentration of free electrons during depolarization in the dark, starting with a notion of the mechanism of the processes taking place when the electrodes are short-circuited. It is assumed that the trapping of electrons predominates over the recombination of electrons with holes, and that the concentration of trapped electrons is considerably lower than the concentration of traps. The results of the calculation permit a graphical determination of the depth of the local trapping Card 1/2

On the theory of the thermal ... S/194/62/000/006/089/232
D413/D308
level. 2 references. [Abstracter's note: Complete translation.]

DRAGNEV, T.; KASHUKEEV, N.; PANCHEVA, N.; IANEVA, N.

On the moment of prompt-neutron emission in the fission of heavy nuclei. Izv fiz atom BAN 10 nc.2:53-56 '62.

ACC NR: AP6032643

SOURCE CODE: BU/0011/66/019/007/0579/0582

注:"我们是

AUTHOR: Kashukeyev, N.; Nadzhakov, G.

TOTAL PROPERTY.

ORG: Physics Institut of the Bulgarian Academy of Sciences (Fizicheskiy Institut Bolgarskoy akademii nauk)

TITLE: One possibility of making the absolute energy calibration of semiconductor detectors for fission fragments

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 19, no. 7, 1966, 579-582

TOPIC TAGS: detection, detection system, detection equipment, semiconducting material semiconductor alloy, fission product

ABSTRACT: The article proposes a method for the absolute calibration of silicon detectors for measuring the energies of fission fragments which can be used when the method described in previous publications cited in text is not applicable. It is known that the relation $E=\frac{MV^2}{2}$ is in force for the mass, velocity and energy corresponding to the maxima of the light and heavy peaks in the mass, velocity and energy distributions, i.e., the behavior of the fission particles is such that they seem to correspond to given, real particles. On the basis of one example, it is shown that with a certain degree of accuracy, all points for which the relative yield $W = M/A_m$ is

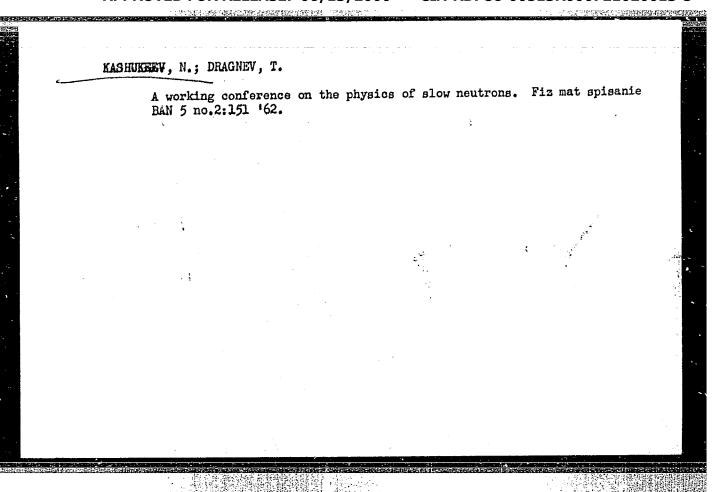
Card 1/2

ACC NR: AP6032643 .

the same in all types of spectra have this property. It is attempted to give the mathematical proof of this affirmation. In practice, only points in the upper three quarters of the maxima are used for calibration as they exhibit the greatest statistical effect and are less subject to errors due to background and other factors. This method was tried using experimental results for ²⁵Cf given in a previous investigation. A comparison of the results shows that for masses the ordinates of which are greater than 3/4 A, the agreement is good. "In conclusion I express my thanks to Nataliya Yanevaya, member of the scientific staff, and to Nedelka Pancheva, physicist". Orig. art. has: 1 figure, 1 formula and 1 table.

SUB CODE: 20/ SUBM DATE: none/ SOV REF: 002/ OTH REF: 009.

Card 2/2



L 18458-63 EWT(m)/BDS AFFTC/ASD 2503/62/010/002/0053/0056

ACCESSION NR: AT3002411

AUTHOR: Dragnev, T.; Kashukeev, N.; Pancheva, N.; Yaneva, N.

TITLE: Moment of emission of prompt neutrons in the fission of heavy nuclei /

SOURCE: B"lgarska akademiya na naukite, Fizicheski institut. Izvestiya na Fizicheskiya institut s ANEB, v. 10, no. 2, 1962, 53-56

TOPIC TAGS: prompt neutron, fission, heavy nucleus, fragment, fragment motion, fragment velocity

ABSTRACT: A new method is propsed for determining the moment of emission of prompt neutrons during the fission of heavy nuclei. Thereby an answer can be obtained to the question whether neutrons are emitted after fragments have attained ultimate velocity or sooner. The method for finding the velocity of the fragments at the moment of the emission of neutrons consists in a comparison between theoretically calculated and experimentally obtained energy distributions of neutrons at different angles to the direction of fission registered at a fixed ultimate velocity of the fragments. The time of emission of neutrons is determined in

Card 1/3 2

L 18458-63

ACCESSION NR: AT3002411

1)

accordance with the law of the motion of fragments, formula for which is derived as follows:

$$t = I_0 \left(\frac{u}{1 - u^2} - \frac{1}{2} \ln \frac{1 + u}{1 - u} \right); \quad t_0 = \frac{R_0}{V_\kappa}; \quad u = \frac{V}{V_\kappa},$$

where $R_{\rm O}$ is the initial distance from the center of the masses of the fragments to the center of the moving fragment, $V_{\rm k}$ is the ultimate velocity of the fragment from which the neutrons are emitted, and V is the velocity of the fragment at moment t from the beginning of its acceleration. Fig. 1 of Enclosure 1 shows the graph of this correlation. The authors observe that in conducting the proposed experiments considerable difficulty may be encountered in collecting sufficient statistics. Orig. art. has 1 formula and 1 figure.

ASSOCIATION: none

SUEMITTED: 31 Mar 62

DATE ACQ: 04 Jun 63

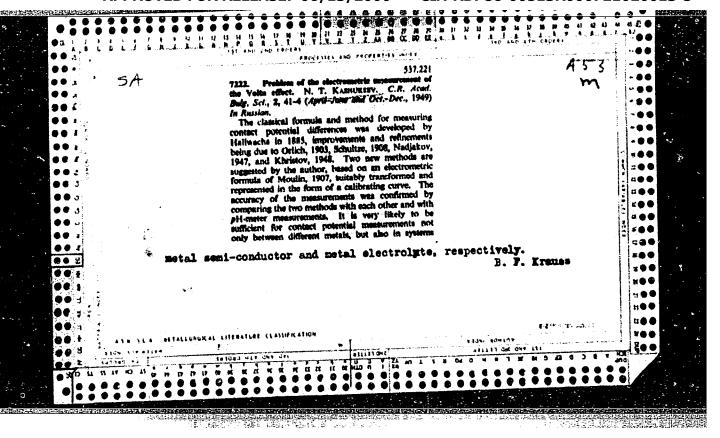
ENCL: 31

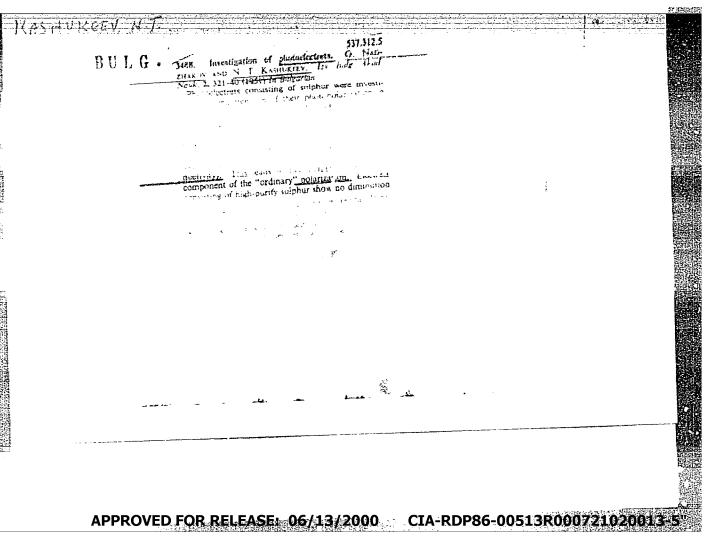
SUE CODE: NS, PH

NO REF SOV: 004

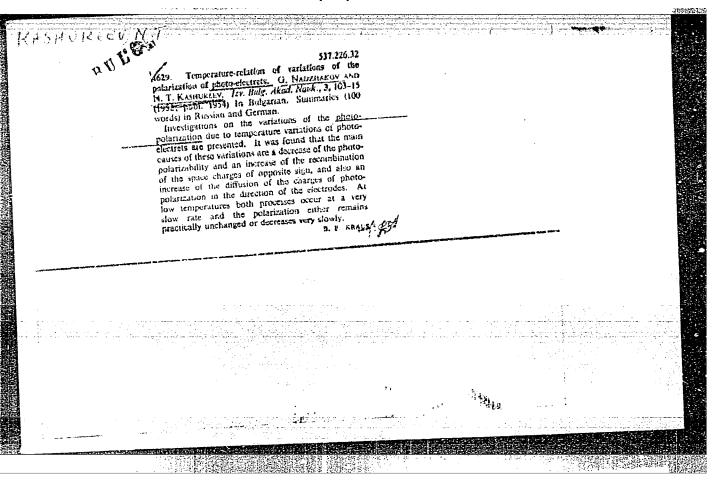
OTHER: 005

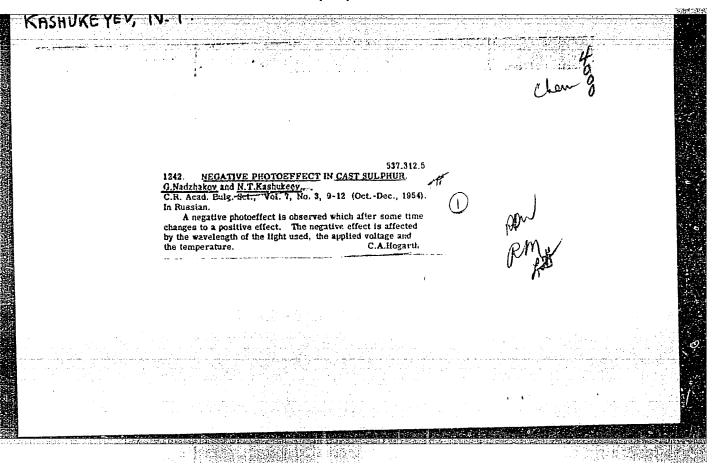
Card 2/3 7











AUTHORS:

Frickin, V. M., Kashukeyev, N. T., Zheludev, I.S.,

TITLE:

On the Theory of Photoelectrets (K teorii fotoelektretov).

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 5, pp. 804 - 807 (USSR)

ABSTRACT:

The present paper investigates the explanation of some data obtained at an examination of photoelectrets. At the outset, the kinetic equations for the replenishing of the adhesion levels (urovni prilipaniya) by electrons are given. The problem reduces to the determination of the dependence of the concentration N of the electrons in the adhesion levels on time. If the initial values assumed here are satisfied, the following solution is obtained for the kinetic equations: $N = N_c(1 - e^{-82Et})$, $N_c = 81/82$ denoting the concentration of electrons in the steady state, sa and s2 coefficients, which are dependent upon the absorption of light and on the quantum yield, and E denoting the intensity of light. This solution was here determined for the case, that only an insignificant part of the free levels is filled up by electrons by polarisation. The expression given here for the dependence on time of the density of concentration of electrons on the adhesion levels described the saturation effect discovered by V. M.Fridkin (reference 7). According to the experimental curves given here the formula given above describes the exponential character of the dependence of the charge of the photoelectret on the intensity of illumination and on the duration of polarisation quite satisfact-

Card 1/2

24 (3) AUTHORS:

Golovin, B. M., Kashukeyev, N. T., SOV/20-128-1-15/58 Fridkin, V. M.

TITLE:

The Role of the Field in the Formation of the Heterogeneous

Charge of a Photoelectret

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 1, pp 63 - 66

(USSR)

ABSTRACT:

The authors consider the role played by the field in the formation of the photoelectret state in a single crystal by substituting a term into the equations (1), (2), (3), of a previous paper by V. M. Fridkin (Ref 2). The term takes the current divergence into account. Thus, the following set of nonlinear equations is obtained which consider the variation with time of the electron density n within the range of conductivity, of the electron density N on the adhesion levels, and of the concentration P of the holes in the basic range when the crystal

is illuminated and the field is applied:

 $\frac{\partial n}{\partial t} = d_1 + kN - \alpha nP - \beta n(M - N) - \frac{\partial (nu_1 E - D_1 \partial n/dx)}{\partial x}$

 $\partial N/\partial t = -kN + \beta n(M - N); \partial P/\partial t = d_1 - \alpha nP - \partial (Pu_2 \xi - D_2 \partial P/\partial x)/\partial x$

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Instead of the neutrality condition P = N + n a conservation

The Role of the Field in the Formation of the Heterogeneous Charge of a Photoelectret

SOV/20-128-1-15/58

condition of the form $\int_{0}^{1} Pdx = \int_{0}^{1} (N+n)dx$ is to be complied with. It is to be integrated over the crystal length in the direction of the applied field. In the above equations it holds: $d_1 = s_1 E$ and $k = s_2 E$, where E denotes light intensity. E denotes the electric field strength, u_1 and u_2 the mobility of the conductivity electron and the hole in the basic range, D_1 and D_2 the diffusion coefficients of electrons and holes. Additionally, the relations $E = E_1 - E_0$, $\frac{\partial E_1}{\partial x} = \frac{4\pi e}{E}$ (P-N-n) hold in this connection. The expression for the photoelectret charge $\sigma = (P-N-n)e$ may be obtained by the solution of the set of equations written down at the beginning. It depends on the time t and the coordinate x. The afore-mentioned set of equations is then transformed. Part I of this article deals with the validity of the law of exchangeability of the two possible processes of photoelectret formation as defined by the two above

Card 2/4

The Role of the Field in the Formation of the Heterogeneous Charge of a Photoelectret

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sets. This law means that the photoelectret charge depends everywhere only on the strength of exposure z=Et: $\sigma=P-N-n=\sigma/z,x$) for 0<x<1. A necessary condition for the validity of this law is the validity of the condition $n=n_0(z,x)E$. The conclusions drawn in this article allow for an interpretation of certain results of experiments on the establishment of the photoelectret state in anthracene single crystals. In Part II, the authors apply the transformed set of equations to the case in which the field E_1 of space charges may be neglected with respect to the outer field E_0 . The authors thank G. Nadzhakov, Academician of the Bulgarian Academy of Sciences, Academician A. V. Shubnikov, and Professor V. P. Dzhelepov for their interest in the present article. There are 5 Soviet references.

Card 3/4

The Role of the Field in the Formation of the Heterogeneous Charge of a Photoelectret

SOV/20-128-1-15/58

ASSOCIATION: Institut kristallografii Akademii nauk SSSR (Institute of Crystallography of the Academy of Sciences, USSR). Institut fiziki Bolgarskoy Akademii nauk (Institute of Physics of the Bulgarian Academy of Sciences). Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

PRESENTED:

May 6, 1959, by A. V. Shubnikov, Academician

SUBMITTED:

May 4, 1959

Card 4/4

£7907 24.2600 SOV/20-129-5-13/64 24 (3), 23 (5) Golovin, B. M., Zheludev, I. S., Kashukeyev, N. T., Orlov, I. N., Fridkin, V. M., Mogilevskaya, L. Ya., Antonov, A. S. AUTHORS:

A New Electrophotographic Process, Which May Be Realized by TITLE:

Means of Combined Electret Layers

Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 5, pp 1008-1011 PERIODICAL:

(USSR) The present paper deals with a new electrophotographic process

in which combined electret layers are used in addition to ABSTRACT: "memory properties". In 1955 Fridkin et al. (Ref 8) described

electric photography by means of photoelectrets on the basis of the constant internal photoelectric polarization in

dielectrics discovered by G. Nadzhakov (Ref 9). A layer of a photoelectric conductor with relatively high photosensitivity and relatively low inertia is applied to the semi-transparent electrode. The dark resistance of this layer may be very low. Unto the layer of the photoelectric conductor, a layer of a dielectric with stable dark-polarization is applied. The adjoint

second electrode may then be opaque. The electrophotographic

process is then realized as follows: A constent voltage is W Card 1/4

67907

A New Electrophotographic Process, Which May Be Realized by Means of Combined Electret Layers 50v/20-129-5-13/64

applied to the two electrodes. With $R_2 \gg R_3$ (R_2 dark resistance of the photoelectric conductor, R_3 - dark resistance of the dielectric) the voltage meeting the layer of the dielectric practically equals zero. Through the semi-transparent electrode an image is projected on to the surface of the photoelectric conductor. As a result of the internal photoelectric effect in the photoelectric conductor, the voltage in the corresponding exposed parts of the photoelectric conductor changes, and a stable electret state is then produced in the dielectric. The latent electrophotographic image may then be "read" by means of an electron beam. Ferroelectrics and thermoelectrets may be used as dielectrics. The characteristic curve of the combined electret layers may be determined by analyzing the kinetics of the photoelectric conductivity of the photoelectric conductor and of electret state formation. A law of mutual exchangeability of electrets is satisfied if the charge of the electret is a function of

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A New Electrophotographic Process, Which May Be Realized by Means of Combined Electret Layers

67907 SOV/20-129-5-13/64

Edt alone, where & denotes the field strength of the polarizing field and t - the duration of polarization. The authors experimented with combined electret layers, in which cadmium sulfide (activated with copper and chlorine) were used as photoelectric conductors, and zinc sulfide (also activated with copper and chlorine) served as electret. A diagram shows the dependence of the charge of the ZnS-electret on the field strength of the polarizing field. In the interval under investigation this dependence is linear. The law of reciprocal exchangeability does not apply in the case of the combined electret layers investigated here. The authors thank Academician A. V. Shubnikov and Academician G. S. Nadzhakov for discussing the results obtained by the present paper. There are 3 figures and 17 references, 13 of which are Soviet.

Card 3/4

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

A New Electrophotographic Process, Which May Be
Realized by Means of Combined Electret Layers

ASSOCIATION: Institut kristallografii Akademii nauk SSSR (Institute of
Crystallography of the Academy of Sciences of the USSR).

Institut fiziki Bolgarskoy Akademii nauk (Institute of
Physics of the Bulgarian Academy of Sciences). Ob"yedinennyy
institut yadernykh issledovaniy (Joint Institute of Nuclear
Research)

PRESENTED: July 15, 1959, by A. V. Shubnikov, Academician

SUBMITTED: July 9, 1959

Card 4/4

KAShuKEYEV

81893

s/181/60/002/05/37/041 B004/B056

24.7700

AUTHORS:

TITLE:

Golovin, B. M., Kashukeyev, N. T., Orlov, I. N.,

V. M. Fridkin,

The Photoelectric State in ZnS and Two New Electrophoto-

graphic Processes

Fizika tverdogo tela, 1960, Vol. 2, No. 5, pp. 1004 - 1010 PERIODICAL:

TEXT: The authors investigated polycrystalline ZnS which had been activated by Cu and Cl, and which showed electroluminescence JA voltage of 300 v was applied to the samples which were shaped in the form of tablets and bound with polystyrene. This was followed by ultraviolet irradiation (320-500 mμ) of varying duration by means of a FFK-4 (PRK-4) lamp. The experimental apparatus and the measuring techniques are described in Ref. 1. Measurements were carried out of the short-circuit current of the photoelectretrand its depolarization by repeated exposure. Fig. 1 shows the decrease of the dark polarization at 300 v, which was at first rapid and then slow, of photopolarization, and of total polarization. The course taken by the curves is explained by localization of

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The Photoelectric State in ZnS and Two New Electrophotographic Processes

81893 s/181/60/002/05/37/041 B004/B056

the electrons on low energy levels. Fig. 2 shows the dependence of polarization on the field voltage, and Fig. 3 the dependence of the charging of ZnS on the radiation energy. With a maximum radiation energy of 400.10^{-6} w/cm² an exposure of 2.10^{-3} sec is sufficient to cause a noticeable photopolarization. As may be seen from Fig. 4, the dependence of photopolarization on the time of exposure does not follow an exponential law. Further experiments were carried out with ZnS, which was first exposed and then charged (Fig. 6). Also in this case, the law of interchangeability is maintained, but, as shown in Fig. 7, there is no exponential dependence. The authors produced electrophotographic layers from ZnS + ZnO (description in Ref. 7), which were exposed to the light of a mercury lamp through a negative. After polarization in the capacitor, the image could be made visible by means of an electrophotographic developer (Ref. 7). Electroluminescence is effected by depolarization in an alternating-current field, whereby the image becomes visible on the ZnS + ZnO layer. A. I. Delova and L. Ya. Mogilevskaya took part in the experiments. The authors thank Academician A. V. Shubnikov, Academician G. Nadzhakov, and Professor V.P. Dzhelepov

W

Card 2/3

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

81893

The Photoelectric State in ZnS and Two New Electrophotographic Processes

S/181/60/002/05/37/041 B004/B056

for their interest in this investigation. There are 7 figures and 7 references: 6 Soviet and 1 British.

ASSOCIATION: Institut kristallografii AN SSSR, Moskva (Institute of

Crystallography of the AS USSR, Moscow)

SUBMITTED:

May 15, 1959

Card 3/3

s/077/60/005/003/003/009 E032/E414

AUTHORS:

Golovin, B.M., Zheludev, I.S., Kashukeyev, N.T.

Fridkin, V.M. and Antonov, A.

Electrophotography of Proton Beams 4

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1960, Vol.5, No.3, pp.207-208 + 1 plate TITLE:

A study is reported of the sensitivity of various electrophotographic layers to fast protons. The experiments were carried out on the synchrocyclotron of the Joint Institute for The maximum intensity of the proton beam was Nuclear Studies. The maximum intensity of the proton peam was 680 Mev. about 100 protons/cm²/sec and the energy of the protons was 680 Mev. Various electrophotographic layers were investigated, including ZnO, ZnS, CdS and polycrystalline sulphur, all deposited on paper. The electrophotographic layers were prepared by the method described in a previous paper (Ref.1). The layers were negatively charged by a corona discharge in air. The charged layers were then placed in a special holder which was fixed to the collimator with its plane perpendicular to the beam. After the exposure had been carried out the image was developed using a liquid electrophotographic developer described by two of the present authors in Ref. 2. Card 1/3

S/077/60/005/003/003/009 E032/E414

Electrophotography of Proton Beams

developers (Ref.1) were used in the case of the sulphur layers. Fig.1 shows four electrophotographic images of the proton beam obtained in the ZnO layer with the beam in various angular positions relative to the axis of the collimator. As can be seen, these photographs can be used in the adjustment of the position of the The electrophotographs shown in Fig.1 have a nonuniform background which is due to an edge effect associated with the electrostatic nature of the latent electrophotographic image. These edge effects can be reduced with the aid of a suitable screen. Fig. 2 shows the photographs obtained with and without the screen It was found that electrophotographic (a and b respectively). layers of ZnO and polycrystalline sulphur are the most sensitive With maximum intensity of the proton beam, the minimum exposure time at 680 Mev was found to be 5 to 10 sec. It was found that the ZnO film has a similar characteristic curve to The electrophotographic layer has a higher contrast but the latitude is smaller than in the case of the X-ray film. It follows that small irregularities in the beam are better defined Acknowledgments are expressed in the electrophotographic method. Card 2/3

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33006 s/641/61/000/000/033/033

26.2245

AUTHORS: Kashukeyev, N. T., Popov, Yu.P., Shapiro, F. L.

TITLE: Measurement of energy dependence of Cl(n, y) reaction cross

sections

Krupchitskiy, P. A., ed. Neytronnaya fizika; sbornik statey. Moscow, 1961, 354-368 SOURCE:

TEXT: The energy dependence of radiative neutron capture cross sections was measured in the 10ev-20kev range and studied with a spectrometer based on neutron deceleration in lead. For this purpose fast-neutron pulses (625 cps, 0.5-1 usec pulse duration) were generated in the center of a lead cube. The energy was determined from the slowing-down time t (in µsec)

according to $E = [183/(t+0.3)^2]$ kev. The root-mean-square energy spread was $\sim 15\%$ at E ≥ 1 kev and 35% at E = 10 kev. The specimen and scintillation gamma detector were placed in a channel in the cube, and the neutron capture gamma ray intensity $J_{\gamma}(t)$ was measured in dependence on t.

At the same point the neutron density was also measured with a Li F proportional counter. $\sigma_{y}(E)$ was determined from the relation

33006 s/64i/61/000/000/033/033

Measurement of energy dependence...

 $J_{\chi}(t) \sim J_{Li}(t) v \cdot \sigma_{\chi}(E)$ where v is the neutron velocity, the proportionality factor is a scaling factor. Since the area of the curve $J_{\chi}(t)/J_{Li}(t) = K < v\sigma_{\chi} > is proportional to resonance absorption integral$ $\mathbb{R}_{\gamma} \left(\int_{1}^{\frac{\pi}{2}} \frac{J_{\gamma}}{J_{\text{Li}}} (t) dt = \frac{K}{\xi \sum_{s}} \mathbb{R}_{\gamma} \right),$

the scaling factor K can be determined if the gamma recording enfliciency is energy independent. The measurements were carried out with proportional and scintillation counters using a specially designed ФЭУ-19 (FEU-19) photomultiplier. Two types of time analyzers were used: a 50-channel cne with channel width 0.476 µsec, designed and constructed by I. V. Shtranikh, and a 100-channel one with widths of 1 or 5 µsec, designed and constructed by L. A. Matalin and I. V. Shtranikh. The specimens were PbCl2 (powder) and CCl (liquid), in special containers. The radiative capture cross section curves $\sigma_{\chi}(E)$ were obtained from 15 series of J_{χ}/J_{Li} measurements with different specimens and detectors. The curve has a resonance peak

Card 2/04

33006 \$/641/61/000/000/033/033 B102/B138

Measurement of energy dependence...

at $E_0=4.3\pm0.5$ kev, at 8.8 kev no peak was observed. The resonance integral in the $0.49-2\cdot10^4$ ev range was found to be 13.9 ± 0.7 barns. For $E>2\cdot10^4$ ev, $R_{V}\sim0.03$ b. The main contribution to R_{V} is due to the negative C1 level, the resonances at 405 ev and 4.3 kev contribute 0.29 ± 0.02 and $(2.2\pm0.7)\cdot10^{-2}$ b. The contributions of the other spectral ranges were as follows: 0.49 < E < 250 ev: $R_{V}=13.5$ b; 250 < E < 2 kev: $R_{V}=0.34$ b ± 10 %; E>2 kev: $R_{V}=6\cdot10^{-2}$ b ± 50 %. The negative level was found to be at $E_0=-210\pm10$ ev. Its parameters were: g=5/8, $\Gamma_{0}^{0}=1.38\pm0.02$ ev, $\Gamma_{V}=0.50\pm0.01$ ev, $\sigma_{p}=1.2\pm0.2$ b, $R=(1.0\pm0.5)\cdot10^{-13}$ cm, $\sigma_{V}=33.0$ b (calculated for 0.025 ev energy). The parameters calculated for the C1 35 resonance levels at 405 ev and 4.3 kev are given in Tables 2 and 3. The authors thank I. M. Frank for interest, Yu. A. Berezina, A. A. Bergman, A. I. Isakov, I. V. Shtranikh and A. M. Klabukov for assistance. There are 6 figures, 3 tables, and

Card 3/9 4

33006 S/641/61/000/000/033/033 B102/B138

Measurement of energy dependence...

19 references: 10 Soviet and 9 non-Soviet. The four most recent references to English-language publications read as follows: D. Hughes, R. B. Schwartz. Neutron Cross Sections, BNL-325 (1958); Toller L., Patterson J., Newson H. Phys. Rev., 99, 620 (1955); Brugger R., Evans J., Jokj E., Shankland K. Phys. Rev., 104, 1054 (1957); Endt P., Braams C. Rev. Mod. Phys., 29, 727 (1957).

Table 2. $C1^{35}$ resonance level parameters for $E_0 = 405$ ev.

Table 3. $C1^{35}$ resonance level parameters for $E_0 = 4.3 \pm 0.5$ kev.

Legend: All energies given in ev, all cross sections in barn.

Card 4/14

KASHUKEEV, N.; ANTONOV, A.; ZADOROZHNYI, G.

On the theory of thermic depolarization of photoelectretes. Doklady BAN 14 no.5:449-450 '61.

1. Predstavleno akad. G. Nadzhakovym.

(Photoelectricity)

KASHUKEYEV, N.T.; POPOV, Yu.P.; SHAPIHO, F.L.

[Measuring the energy dependence of the Cl (n, Υ) reaction cross section] Izmereniia energeticheskoi zavisimosti secheniia reaktsii Cl (n, Υ). Moskva, Glav. upr. po ispol'zovaniiu atomnoi energii, 1960. 25 p. (MIRA 17:1)

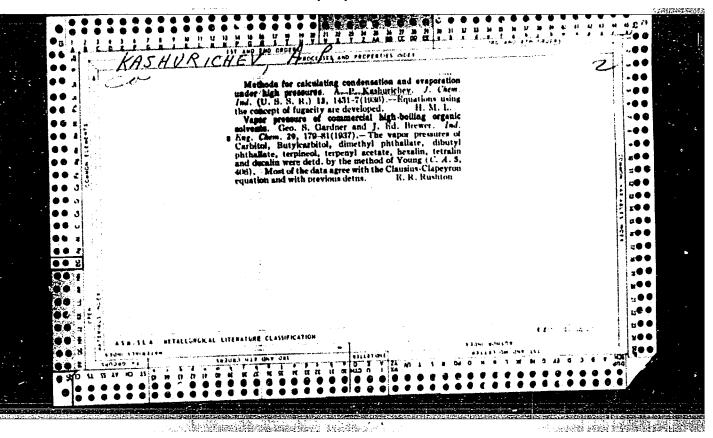
(Chlorine isotopes) (Nuclear reactions)

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SOURCE; Fiziko-	natematichesko spisanie, v. 8, no. 4, 1965, 255-261	
(C. R. 204 (1937) 28 references the The author deservations tests, a effect (photos)	electrets were discovered in 1937 by G. S. Nadzhakov), 1865-1966). The present article surveys on the basi e progress made in this field for the past thirty years ibes the experimental methods, classifies the results on doutlines the various applications of the photoelectret photography, photoelectret desimetry, photoelectred photoelectret memory). Orig. art. has: 3 figures.	of est
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SUB CODE: 09 / OTH REF: 007		

UGORETS, I.I.; GLAZUNOV, A.A.; SYROMYATNIKOV, I.A.; KASHUJIN, I.S.; POSTNIKOV, N.A.; RADTSIG, V.A.; ULIYANOV, S.A.; GRUDINSKIY, P.G.; VASILIYEV, A.A.; KUYSHINSKIY, N.N.; BAPTIDANOV, L.N.; TARASOV, V.I.; KRIKUNCHIK, A.B.; SHAPIRO, A.B.; BIBIKOV, V.V.; DVOSHIN, L.I.; KLINGOF, I.D.; KARPOV, M.M.; USPENSKIY, B.S.; CHALIDZE, I.M.; BLOCH, YA.A.; SHMOTKIN, I.S.

Iesif IAkevlevich Gumin; obituary. Elek.sta.26 no.12:58 D '55. (Gumin, Iesif IAkevlevich, 1890-1955) (MIRA 9:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"



KASHURICHEV, A.P.

USSR/Chemistry - Physical chemistry

Card 1/1

Pub. 22 - 30/51

Authors

Kashurichev, A. P., and Chukhanov, Z. F., Memb. Corresp, of Acad, of Sc.,

Title

Rate of heating of fuel particles and its effect on their thermal decomposition process

Periodical

Dok. AN SSSR 101/1. 115-118, Mar 1, 1955

Abstract

An investigation was conducted to determine the effect of the rate of heating of fuel particles on the process of thermal decomposition of solid fuels. The two unseparably connected but different in nature process a included in the process of thermal decomposition of solid fuels are explained. It was found that the decomposition cannot be controlled at low heating rates, but it is entirely different in cases of high heating rates calculated in thousands and tens of thousands of degrees per min. Ways of controlling the decomposition processes are proposed. Six USSR references (1949-1954). Graphs.

Institution :

.

Submitted :

July 9, 1954

KASHURI MEV, A: P., Cand Tech Sci -- (diss) "Basic means of controlling the process of the treatment of fuel." Hos, 1959. 26 pp (Acad Sci USSR. Power Engineering Inst im G.M. Krzhizhanovskiy) 150 copies (KL, 37-59, 108)

38

KASHURICHEV, A.P. (Moskva); KRAPCHIN, I.P. (Moskva)

Economic evaluation of fuel consumption at electric power plants.

Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.6:5-15 N-D '59.

(MIRA 13:8)

(Electric power plants)

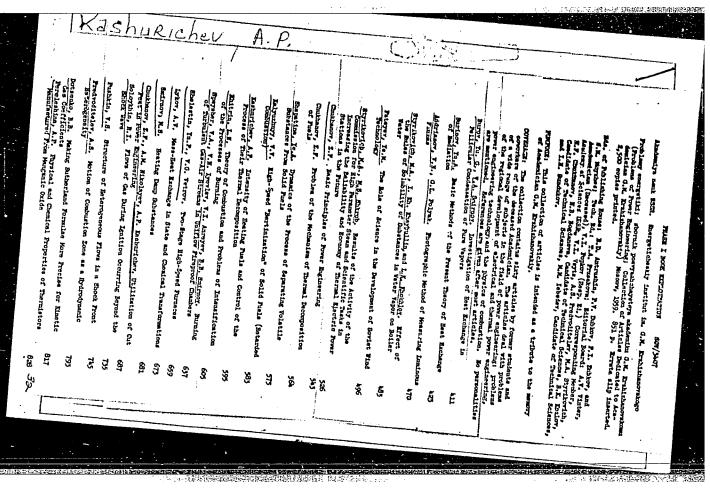
KASHURICHEV, A.P.

Investigating the process of thermal decomposit on of solid fuel. Insh.-fis. shur. no.9:38-46 S '59. (MIRA 13:1)

1. Energeticheskiy institut im. G.M. Krzhizhanovskogo, g. Moskva. (Combustion)

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	(FuelThermal p	roperties)	(MIRA 13:10)	
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KASHURICHEV, A.P.

Study of the thermal decomposition of Moscow Basin coal dust subjected to high-rate heating. Energotekh.ispol'.topl. no.1:82-120 '60. (MIRA 13:10)

(Coal research)

KASHURICHEV, A.P.; SHAPATINA, Ye.A.

Investigation of the thermal processing of Baltic oil shale in an intermittent pilot plant. Energotekh.ispol!.topl. no.1:149-170 (MIRA 13:10)

(Oil shale—Thermal properties)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"

SHAPATINA, Ye.A.; KASHURI CHEV. A.P.; KOYYAZINA, L.A.

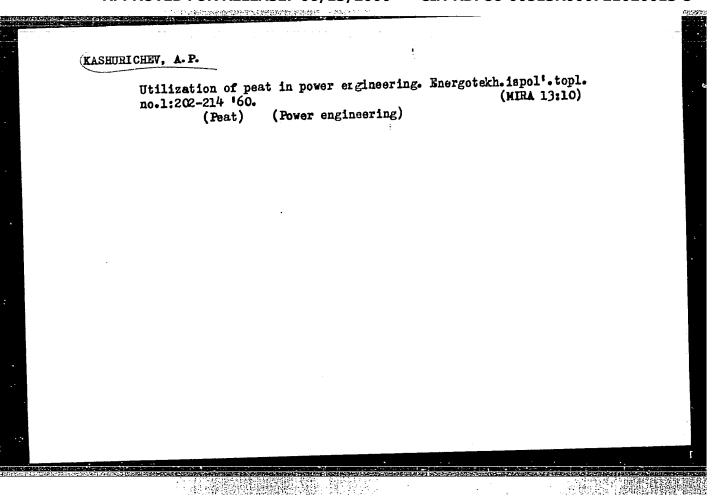
Thermal decomposition of peat and oil shale heated by means of a solid heat-carrying agent. Energotekh.ispol'.topl. no.1:171-201'60.

(Peat-Thermal properties)

(Oil shale-Thermal properties)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"

。 1996年 - 新国的 1996年 - 1997年 -



KASHURICHEV, A.P.; KOYYAZINA, L.A.; KOBZEV, Yu.N.

Thermal treatment of Ekibastuz coal with the purpose of utilizing it as fuel and as a source of chemicals. Khim.i tekh.topl.i masel 6 no.1:42-48 Ja '61. (MIRA 14:1)

1. Institut goryuchikh iskopayemykh AN SSSR. (Coal gasification) (Fuel)

门等数据数据 语言

25420 8/137/61/000/006/009/092 A006/A101

11.1310

Chokhanov, Z.F., Stonans, Ya.A., Kashurichev, A.P.

TITLE:

Combustion process of a fuel gas suspension with high content of

volatiles

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 2, abstract 6B10 (V

sb. "3-ye Vses. soveshchaniye po teorii goreniya, v. 2", Moscow, 1960,

169 - 178)

TEXT: In accordance with the new theory of developing reactions of thermal dissociation of various fuels during the combustion process (in particular of a fuel gas suspension with high content of volatile substances) it is recommended to consider the process of the thermal dissociation of fuels as a composite complex of parallel and consecutive reactions occurring simultaneously and having different kinetic characteristics. Bitumens, liberated from the fuel when heated from 400 to 500°C, are not mechanical admixtures of fuels, but their liberation is caused by chemical processes of thermal dissociation along energetically weak bonds. It is stressed that the time factor together with temperature, plays a very important part in thermal dissociation processes of any fuels. Thus the

Card 1/2

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

Combustion process ...

25420 s/137/61/000/006/009/092 ACCE/A101

thermal dissociation process can be regulated within a very wide range as to the yield and composition of dissociation products. Investigations were made at high-speed (up to 10⁵ - 10⁶ degrees/sec) uniform heating of solid and gaseous fuels by their rapid mixing with hot gaseous and solid heat carriers and still more rapid cooling of thermal dissociation products.

Yu. Filimonov

[Abstracter's note: Complete translation]

Card 2/2

S/020/62/143/001/028/030 B101/B149

AUTHORS:

Chukhanov, Z. F., Corresponding Member AS USSR,

Kashurichev, A. P., and Stonans, Ya. A.

TITLE:

Effect of disproportionation of composition and increase

in yield of volatile fuel pyrolysis products during

high-rate heating

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 1, 1962, 162-165

TEXT: The pyrolyses during high-rate heating (I) $(10^3 - 10^6 \, \text{C/sec})$ and more) and low-rate heating (II) $(0.01 - 5.0 \, ^{\circ}\text{C/sec})$ are compared on the basis of experimental data. Effects of disproportionation and of considerable changes in amount and type of volatile products were determined and found to be consistent with previous theoretical studies. For Moscow basin coal, the following data were obtained for II $(600 \, ^{\circ}\text{C})$: the volatile product contains the total 0_2 , $\sim 65\%$ H₂, and $\sim 25\%$ C of the initial coal. For I $(600 \, ^{\circ}\text{C}, 0.35 \, \text{sec contact})$: $\sim 25\%$ U₂, $\sim 45\%$ H₂, and $\sim 12\%$ C. As for peat, the data for II are: steady increase in

Card 1/3

S \\D20/62/143/001/028/030 B101/B:147

Effect of disproportionation ...

volatile products up to 400 - 450 °C, the decelerated increase, maximum yield 64.5 %; the yield obtained for I was 85 % and more. I (600 - 900 °C) changes the process so that H₂ and O₂ are separated in the form of compounds transferring a maximum of C into the volatile product. The results are: reduced gas volume with increased contents of CO and unsaturated hydrocarbons, lower contents of CO₂, H₂, saturated hydrocarbons, and H₂O. The yield of tar rich in aromatics increases. Rapid removal of pyrolysis products from the reaction zone prevents secondary decomposition and allows control of the process. The above results were confirmed by pilot plants. There are 4 figures, 1 table, and 14 references: 8 Soviet and 6 non-Soviet. The four references to English-language publications read as follows: M. J. Byrgess, R. V. Wheeler, J. Chem. Soc., 105, 131 (1914); W. Fuchs, A. C. Sandgoff, Ind. and Eng. Chem. 34, no. 5, 567 (1942); D. B. van Krevelen et al., Fuel, 30, no. 11 (1951); D. Fitzgerald, D. B. van Krevelen, Fuel, 38, no. 1 (1959).

Card 2/3

S/020/62/143/001/028/030 B101/B147

Effect of disproportionation ...

ASSOCIATION: Energeticheskiy institut im. G. M. Krzhizhanovskogo (Power Engineering Institute imeni G. M. Krzhizhanovskiy)

SUBMITTED:

October 31, 1961

Card 3/3

CIA-RDP86-00513R000721020013-5" APPROVED FOR RELEASE: 06/13/2000

CHUKHANOV, Z.F.; KASHURICHEV, A.P.; STONAMS, Ya.A.

Effect of the disproportionation of composition and of the increase in the yield of volatile products in fuel pyrolysis at high heating rates. Dokl. AN SSSR 143 no.1:162-(MIRA 15:2) 165 Mr :62.

1. Energeticheskiy institut im. G.M.Krzhizhanovskogo. 2. Chlen-korrespondent AN SSSR (for Chukhanov). (Fuel) (Pyrolysis)

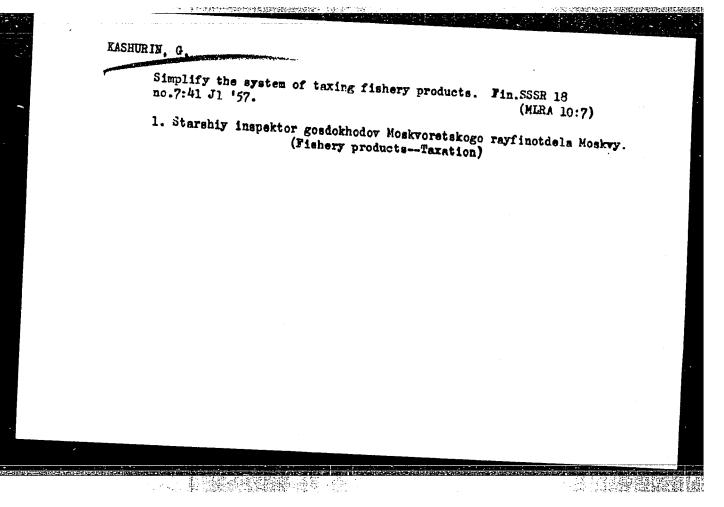
KASHURICHEV, A.P.; FILIPPOVA, T.N.; PETROVA, G.A.

Solid fuel as a source of power and chemical raw materials. Ispol'. tverd. topl., ser. maz. i gaza no. 5:66-71 '64 (MIRA 19:2)

KASHURICHEV, A.P.; FILIMONOV, V.A.

Laboratory apparatus for studying the high-speed pyrolysis of sour mazut in the gas suspension of a solid heat carrier.

Ispol'. tverd. topl., ser. maz. i gaza no. 5:107-112 '64 (MIRA 19:2)



KASHURIN, G.

The enterprise and not the trust should be the payor. Fin. SSSR 19 no.1:79-80 Ja '58. (MIRA 11:2)

1. Starshiy inspektor gosdokhodov Moskvoretskogo tayfinotdela Moskvy.

(Payment)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721020013-5

KASHURIN, L.G.

AUTHOR

KASCHURIN L.G.

PA 2545

TITLE

Solution of a Ball Solidification with Account for

Crystallisation Front Temperature Change.

(Resheniye zadachi e zatverdevanii shara s uchetem izmeneniya temperatury fronta kristallizatsii v protsesse zatverdevaniya .-

Russian.)

PERIODICAL

Zhurnal Tekhn. Fiz. 1957, Vol 27, Nr 3, pp 543 - 547 (U.S.S.R.) Reviewed: 5/1957

ABSTRACT

Received: 4/1957 For the solution of this problem the temperature of the crystallization front is assumed to be equal to that of the stable equilibrium of the phases . On the contrary, it is known that crystallization is always accompanied by a certain cooling of the liquid and there is no reason to believe that this cooling is only slight. The kinetic solution of this problem is given and this makes it possible to determine the speed of ball solidification in consideration of to the real temperature of the crystallization front. With T = const. the widely known formula for complete solidification is obtained. The relation between T and r is first sought in case of T \neq const. (T - temperature of the crystallization front, -r-radius of the surface of the crystallization front) and a transcedental equation is obtained, the solution of which in relation

GARD 1/2

PA 2545

Solution of a Ball Solidification with Account for Crystallization Front Temperature Change.

to T, in the case of different r - values offers the possibility of forming a function T= f (r) and of finding the final solution. But in order to determine to what extent this solution differs from the above mentioned general formula, computation of the solidification time of the re-cooled water drops was carried out. The results in both cases were very close to each other at a temperature of - 15% C. The difference became greater on the occasion of another greater cooling process and finally became twice as great and even more. This difference is especially great with small velocities of the linear crystallization and with an intense heat transfer i.e. in the case in which the temperature of the crystallization front is practically very close to the surface temperature of the ball. (With 4 illustrations)

ASSOCIATION: not given.

PRESENTED BY: -

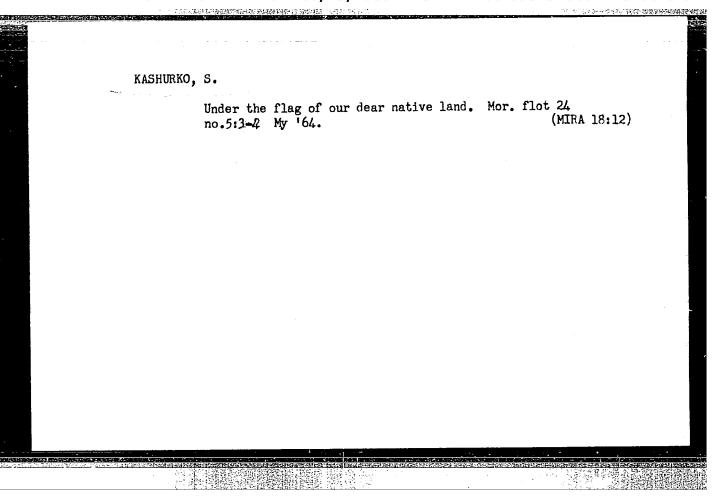
SUBMITTED: August 17th, 1956. AVAILABLE: Library of Congress.

CARD 2/2

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S/135/62/000/007/001/010 A006/A101

AUTHORS:

Kashurnikov, Yu. M., Dobrushin, M. Sh., Engineers

TITLE:

Optimum welding circuit parameters during welding in carbon dioxide with periodic short-circuit of the arc

PERIODICAL: Svarochnoye proizvodstvo, no. 7, 1962, 5 - 8

TEXT: The authors analyze the effect of the welding circuit inductance on metal spattering and the quality of joints during welding in $\rm CO_2$. A method is given to determine the optimum time constant of the welding circuit and the inductance of a single-inertia power source. An equation is presented to calculate these values from the given optimum mean rate of increment of trickle short-circuit current, depending on the slope of the static external characteristic of a single-inertia power source $\rm K_S$ and parameters $\rm U_{av}$, $\rm I_{av}$ in a process with periodic short circuit;

Card 1/2

S/135/62/000/007/001/010 A006/A101

Optimum welding circuit parameters...

When the optimum time constant is known, the welding circuit inductance can be determined by equation (6):

 $L = T_c R_s = \frac{T_c}{K_s}$

 R_s is the full active resistance of the whole circuit. The optimum inductance of the welding circuit with a single-inertia power source (generators with independent excitation and rectifiers without feed-back) at a coefficient of the rigid external characteristic $K_s=20~\text{a/v}$ and more, does practically not depend on the rigidity of the external characteristics and, consequently, also on the active resistance of the welding circuit elements. Optimum inductance for each parameter of the electrode wire has a fully determined value and increases with a greater wire diameter. A single-inertia power source when welding in CO_2 should be designed with controlled inductance, assuring steps $L_s=(2;\ 3.5;\ 6;\ 9.5) \times 10^{-4}$ by respectively for wires of 1; 1.2; 1.6 and 2 mm in diameter. There are 4 figures and 3 tables.

ASSOCIATION: TSNIITMASh

Card 2/2

Coptima parameters of the arc welding circuit for welding in an atmosphere of carbon dioxide with periodic short-circuiting of the arc. Swar.proizw. no.7:5-8 Jl '62. (MIRA 15:12)

1. TSentrel'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya. (Electric welding) (Protective atmospheres)

KHSHUKILIKOVA, Z

137-1958-1-96

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 16 (USSR)

AUTHOR: Kashurnikova, Z.

Personnel Training at the Frunze Placer (Podgotovka kadrov TITLE:

na priiske im. Frunze)

PERIODICAL: Kolyma, 1957, Nr 4, pp 38-39

ABSTRACT: In view of the seasonal nature of the work to be done, the majority of workers are learning two or three trades. In addition, concurrent performance of work in more than a single trade by

the same worker is practiced. Special schools have been organized with the object of disseminating progressive methods of work. A

number of other steps are being taken.

A. Sh. 1. Mining persennel-Study and teaching--USSR

Card 1/1

GORBACHEVSKAYA, A.S.; KASHURO, L.G.

Marble bones in very young children. Vest. rent. i rad. 40 no.6:62-63 N-D '65. (MIRA 19:1)

1. Kafedra rentgenologii Leningradskogo pediatricheskogo meditsinskogo instituta (zav. - prof. Ya.L. Shik).

MOLOTKOVSKIY, Yu.G.; KASHURO, V.F.

Role of protein synthesis in the alternation of respiratory systems in discs prepared from potato tubers. Dokl. AN SSSR 158 no.1:239-241 S-0 64 (MIRA 17:8)

l. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR. Predstavleno akademikom A.L. Kursanovym.

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KASIBITIN A. A.

- June 1747

US 1/Cables, High Frequency Communications - Equipment

"High Frequency Cable Trunk Line," V. A. Berman, A. A. hashutin, 3 pp

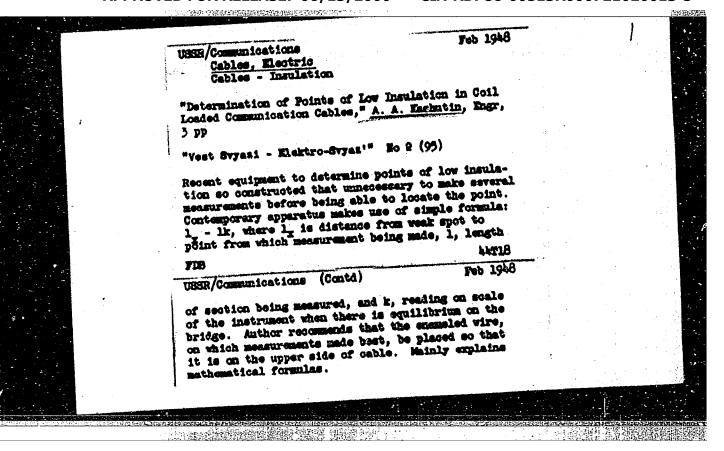
"Yest Svyaz, Elektro Svyaz" No 6

Describes with accompanying illustrations the advantages of the new high frequency cable which was introduced during the latter part of 1946 and is able to handle loads up to 60 kilohertz.

PA 17T106

"APPROVED FOR RELEASE: 06/13/2000

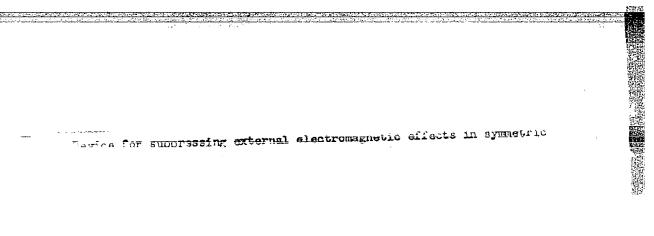
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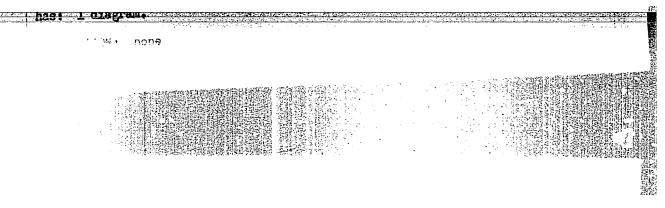
FROLOV, P.A.; KASHUTIN, A.A.

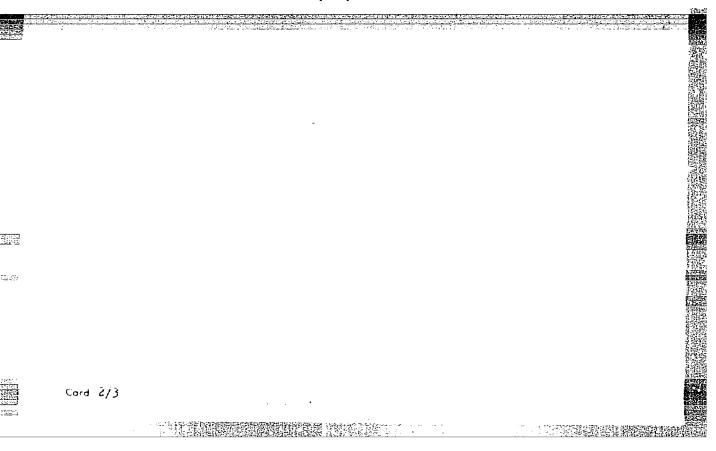
Single quadded high-frequency cables with plastic sheathing.
Vest. sviazi 24 no.1:3-4 Ja 64. (MIRA 17:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR.



SURCE: Byulleten isobretenly towarnykin sneeton, no.





BORISOV, Ye.; ZHIDENKO, D.; KASHUTIN, P.

Social and economic problems of technological progress under socialism. Sots. trud 6 no.9:146-149 S **161. (MIRA 14:9) (Technology and civilization)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721020013-5"